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COMMUNICABLE DISEASE CENTER



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U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE PUBLIC HEALTH SERVICE

EPIDEMIOLOGIC NOTES AND REPORTS
ASEPTIC MENINGITIS - New Jersey

Between the 27th week (ended July 9) and the 40th week (ended October 8), the New Jersey State Health Department received reports of 128 cases of acute central nervous system disease. Of these, 109 were designated as aseptic meningitis; the remaining 19 had clinical encephalitis. The reported cases of aseptic meningitis represent a definite increase from the 1965 New Jersey experience when only 56 were notified.

The peak incidence occurred in August and early September. Cases were reported from 17 of the 21 counties of the State. Of the 109 cases, 84 occurred in persons less than 25 years of age.

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In general, the illness has been clinically typical aseptic meningitis, with fever, headache, vomiting, neck stiffness, and increased cells (predominantly lymphocytes) in the cerebrospinal fluid. However, in addition, there have been some cases in which a morbilliform eruption has been associated with the above picture.

(Continued on page 342)

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
(Cumulative totals include revised and delayed reports through previous weeks)

DISEASE	40th WEEK ENDED		MEDIAN 1961 - 1965	CUMULATIVE, FIRST 40 WEEKS		
	OCTOBER 8, 1966	OCTOBER 9, 1965		1966	1965	MEDIAN 1961 - 1965
Aseptic meningitis	90	78	78	2,314	1,609	1,591
Brucellosis	3	4	8	192	193	320
Diphtheria	3	3	8	145	116	194
Encephalitis, primary:						
Arthropod-borne & unspecified	67	40	---	1,683	1,425	---
Encephalitis, post-infectious	11	9	---	616	567	---
Hepatitis, serum	30			1,069		
Hepatitis, infectious	594	575	884	24,458	26,123	33,519
Measles (rubeola)	472	851	851	190,807	242,326	389,283
Poliomyelitis, Total (including unspecified)	2	2	20	73	48	323
Paralytic	1	—	18	67	39	276
Nonparalytic	—	—	---	—	6	---
Meningococcal infections, Total	34	46	38	2,818	2,425	1,871
Civilian	33	46	---	2,539	2,243	---
Military	1	—	---	279	182	---
Rubella (German measles)	233	---	---	42,370	---	---
Streptococcal sore throat & Scarlet fever	6,054	5,907	4,652	326,751	304,519	263,914
Tetanus	9	6	---	146	206	---
Tularemia	5	5	---	134	197	---
Typhoid fever	13	18	15	297	333	411
Typhus, tick-borne (Rky. Mt. Spotted fever)	7	7	---	219	241	---
Rabies in Animals	50	53	60	3,230	3,431	2,980

NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax	4	Botulism: Calif.-1	5
Leptospirosis: Hawaii-1, Tex.-1	53	Trichinosis: Conn.-2	81
Malaria: Cal.-2, Fla.-1, Mich.-1, Miss.-1, N.C.-8, Va.-1, Wash.-2	316	Rabies in Man:	2
Psittacosis: Conn.-1, Pa.-2, Wis.-2	40	Rubella, Congenital Syndrome:	20
Typhus, murine: Ky.-1	22	Plague:	4

ASEPTIC MENINGITIS — (Continued from front page)

Diagnostic confirmation by virus isolation and/or serologic techniques has been obtained for 19 of the reported 109 cases. These studies implicate a variety of viruses: mumps-8 cases; ECHO 9-5; Coxsackie B-2-2; Coxsackie A-9-2; Coxsackie B-5-1; and ECHO 2-1. Moreover, there were another seven cases reported in which a well substantiated clinical diagnosis of mumps aseptic meningitis had been made. An additional 15 agents have been isolated in tissue culture; however, identification of these has not been completed.

Of the 19 cases of reported encephalitis, serologic studies in two patients implicated Herpes Simplex virus as the etiologic agent, while a clinical diagnosis of mumps encephalitis had been made in a third patient.

(Reported by Dr. William J. Dougherty, Director, Division of Preventable Disease Control Programs, Dr. Martin Goldfield, Director, Division of Laboratories, and Dr. Ronald Altman, Virology Laboratory, all of the New Jersey State Department of Health; and an EIS Officer.)

CURRENT TRENDS MEASLES

During the last 4-week period of the current epidemiologic year,* 1,722 measles cases were reported. This total is 993 cases less than that reported during the comparable 4-week period in 1965 (Figures 1 and 2).

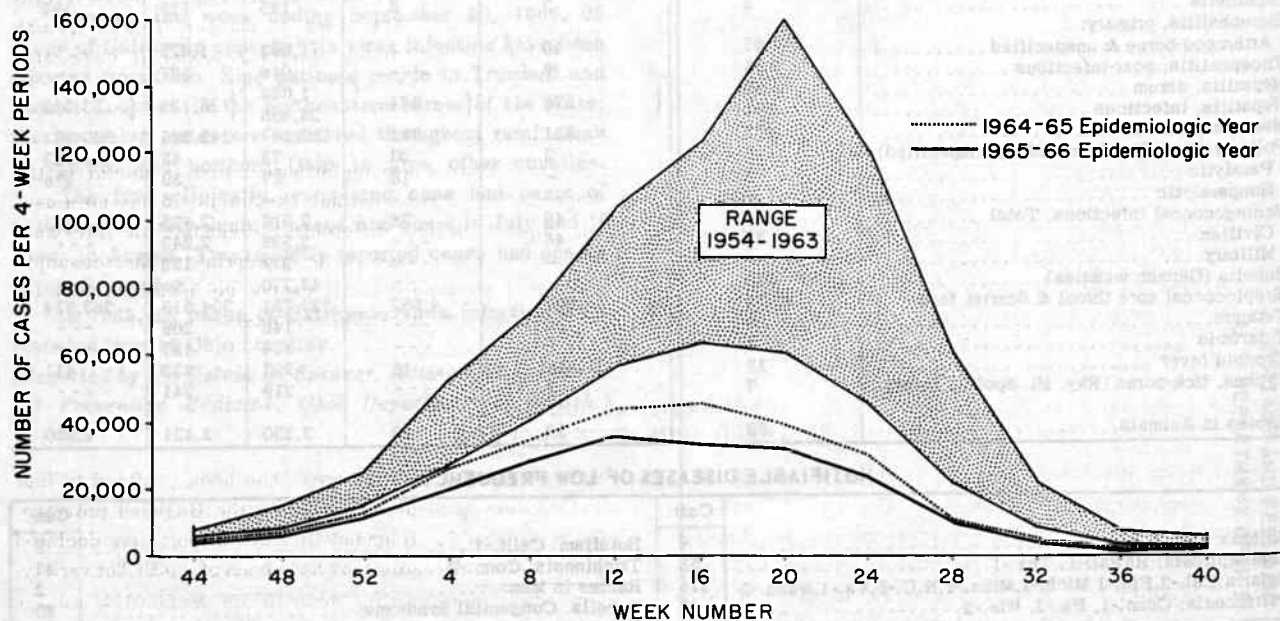
The incidence of measles is at the expected seasonal low in all regions of the country, even though 16 States reported more measles during the current epidemiologic year than during the preceding one. Only 375 cases were reported for the week ending September 24, 1966, the lowest number recorded for any week since the week ending September 16, 1944.

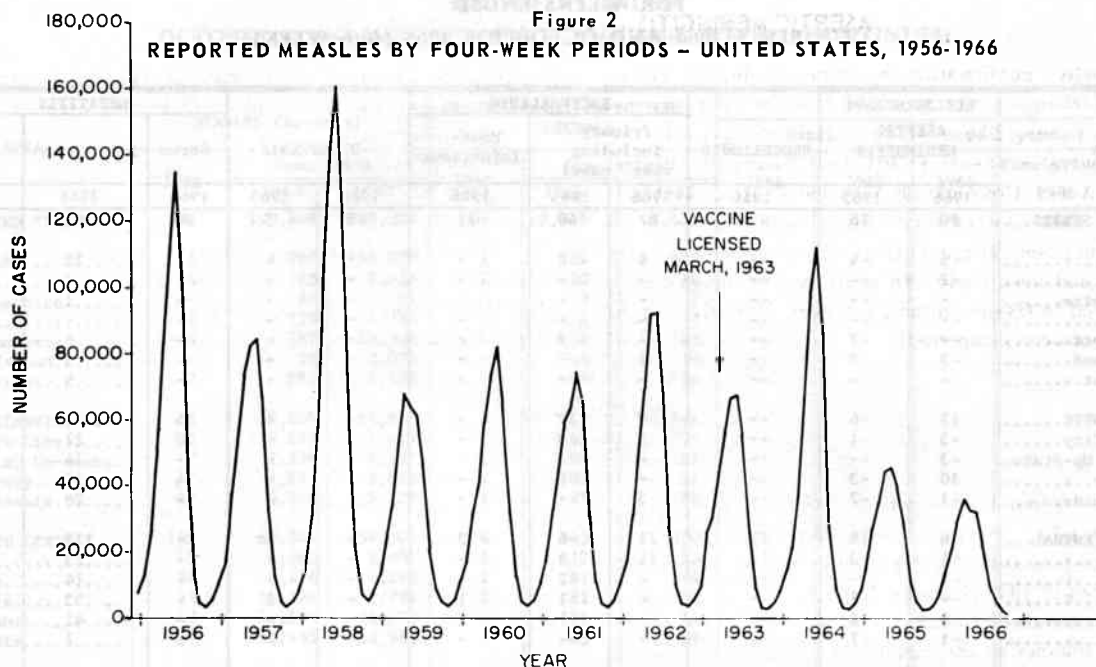
A continuing trend of an apparent increase in measles encephalitis is evident. For the first 40 weeks of 1966, a total of 157 cases of encephalitis has been reported, compared with 96 cases during the comparable period of 1965.

(Reported by the Childhood Viral Diseases Unit, Epidemiology Branch.)

*The epidemiologic year for measles started with week 41 beginning October 10, 1965, and closed with week 40 ending October 8, 1966.

Figure 1
MEASLES CUMULATED BY FOUR-WEEK PERIODS, UNITED STATES
EPIDEMIOLOGIC YEARS, 1964-65 AND 1965-66
COMPARED WITH 10-YEAR PERIOD, 1954-63





EPIDEMIOLOGIC NOTES AND REPORTS AMEBIASIS - Columbia, South Carolina

On June 11, 1966, a 55-year-old Negro woman died of fulminant intestinal amebiasis after a 3-week illness. She had lived in a small rural community 20 miles southeast of Columbia, South Carolina, in a three-room wood-frame house with two of her nieces and their six small children. The house had no electricity, running water, screening, or toilet facilities. Water for drinking and cooking was obtained from a well located in sandy soil behind the house. No privy was available and family members defecated in the general area of the well. The well water was also used by a family of eight living next door. The second family had a pit privy and more adequate housing.

Five of eight stool samples from the patient's family were positive for *Entamoeba histolytica* and seven of the eight family members had a positive hemagglutination titer for *E. histolytica*. Four members of the neighboring family had positive stool specimens. One of the four, a 43-year-old woman, was also serologically positive. She complained of mild diarrhea and abdominal cramps of 2 years duration. No other members of either family were

symptomatic. Samples of well water were examined but no ova or cysts were found.

The Richland County Health Department recommended that a pit privy be installed and that a new well be drilled for use of both families. Those with positive stool examinations were to receive appropriate therapy.

(Reported by Dr. G. E. McDaniel, State Epidemiologist; Dr. John M. Preston, Director, Richland County Health Department; and Mrs. Lila L. Bonner, Public Health Nurse, Richland County Health Department, Columbia, South Carolina; and an EIS Officer.)

Editorial Note:

The indirect hemagglutination test is useful in the diagnosis of extra-intestinal amebiasis. It may be a useful adjunct in the differential diagnosis of intestinal amebiasis when used with appropriate sigmoidoscopic and fecal examinations. It cannot be used routinely for the diagnosis of intestinal amebiasis.

INTERNATIONAL NOTES WESTWARD SPREAD OF CHOLERA

Late in 1965 cholera, which has been spreading westward from its focus in Indonesia since 1960, extended across Iran and reached the borders of Iraq and Turkey. For the first time since the 1930's, cholera was officially reported from Iraq on August 14, 1966; as of October 1, there were 221 bacteriologically confirmed cases

with 17 deaths.* The outbreak has been confined to four northeastern provinces, including the Baghdad province. On September 26, Baghdad City and airport were declared non-infected. All isolations have been of the El Tor variety.

*Preliminary data from the World Health Organization subject to revision.
(Continued on page 348)

OCTOBER 8, 1966 AND OCTOBER 9, 1965 (40th WEEK)

AREA	ASEPTIC MENINGITIS		BRUCELLOSIS	ENCEPHALITIS			DIPHTHERIA		HEPATITIS		
				Primary including unsp. cases	Post- Infectious	Serum			Infectious	Both Types	
	1966	1965		1966	1966	1965	1966	1966	1965	1966	1965
UNITED STATES...	90	78	3	67	40	11	3	3	30	594	575
NEW ENGLAND.....	5	4	-	1	2	-	-	-	-	22	33
Maine.....	2	-	-	-	-	-	-	-	-	7	4
New Hampshire.....	-	-	-	-	-	-	-	-	-	1	4
Vermont.....	-	-	-	-	-	-	-	-	-	-	3
Massachusetts.....	-	2	-	-	2	-	-	-	-	6	12
Rhode Island.....	3	2	-	1	-	-	-	-	-	3	3
Connecticut.....	-	-	-	-	-	-	-	-	-	5	7
MIDDLE ATLANTIC.....	17	6	-	8	12	-	-	-	14	95	107
New York City.....	3	1	-	5	8	-	-	-	10	27	30
New York, Up-State.....	3	-	-	-	3	-	-	-	-	14	28
New Jersey.....	10	3	-	-	1	-	-	-	4	26	19
Pennsylvania.....	1	2	-	3	-	-	-	-	-	28	30
EAST NORTH CENTRAL...	6	16	1	11	6	3	-	1	-	113	116
Ohio.....	1	3	-	11	3	-	-	-	-	23	28
Indiana.....	1	-	-	-	2	-	-	-	-	14	15
Illinois.....	-	8	-	-	1	1	-	1	-	33	25
Michigan.....	3	4	-	-	-	2	-	-	-	42	39
Wisconsin.....	1	1	1	-	-	-	-	-	-	1	9
WEST NORTH CENTRAL...	3	9	2	18	5	-	-	-	-	32	27
Minnesota.....	2	9	-	2	-	-	-	-	-	7	2
Iowa.....	1	-	2	-	-	-	-	-	-	9	6
Missouri.....	-	-	-	-	-	-	-	-	-	10	9
North Dakota.....	-	-	-	-	1	-	-	-	-	-	-
South Dakota.....	-	-	-	-	-	-	-	-	-	-	-
Nebraska.....	-	-	-	-	1	-	-	-	-	3	5
Kansas.....	-	-	-	16	3	-	-	-	-	3	5
SOUTH ATLANTIC.....	6	2	-	6	4	4	2	1	3	57	49
Delaware.....	-	-	-	-	-	-	-	-	-	2	1
Maryland.....	-	-	-	-	1	-	-	-	1	10	9
Dist. of Columbia..	-	-	-	-	-	-	-	-	-	1	1
Virginia.....	-	-	-	1	3	-	-	-	-	9	20
West Virginia.....	-	-	-	-	-	-	-	-	-	6	3
North Carolina.....	1	-	-	2	-	-	-	-	1	8	2
South Carolina.....	-	1	-	-	-	-	-	-	-	3	-
Georgia.....	-	-	-	-	-	-	2	1	-	3	-
Florida.....	5	1	-	3	-	4	-	-	1	15	13
EAST SOUTH CENTRAL...	2	1	-	2	-	-	-	1	3	31	16
Kentucky.....	-	-	-	-	-	-	-	-	-	14	4
Tennessee.....	1	1	-	1	-	-	-	1	1	8	5
Alabama.....	-	-	-	-	-	-	-	-	2	6	5
Mississippi.....	1	-	-	1	-	-	-	-	-	3	2
WEST SOUTH CENTRAL...	13	12	-	13	-	1	1	-	-	53	45
Arkansas.....	-	-	-	1	-	-	-	-	-	3	3
Louisiana.....	4	-	-	7	-	-	1	-	-	5	5
Oklahoma.....	-	-	-	-	-	-	-	-	-	2	-
Texas.....	9	12	-	5	-	1	-	-	-	43	37
MOUNTAIN.....	1	-	-	5	6	-	-	-	-	40	22
Montana.....	-	-	-	-	1	-	-	-	-	4	9
Idaho.....	-	-	-	-	-	-	-	-	-	3	-
Wyoming.....	-	-	-	-	-	-	-	-	-	2	-
Colorado.....	-	-	-	4	-	-	-	-	-	2	6
New Mexico.....	-	-	-	-	5	-	-	-	-	12	2
Arizona.....	-	-	-	1	-	-	-	-	-	13	4
Utah.....	1	-	-	-	-	-	-	-	-	1	1
Nevada.....	-	-	-	-	-	-	-	-	-	3	-
PACIFIC.....	37	28	-	3	5	3	-	-	10	151	160
Washington.....	1	2	-	-	1	-	-	-	-	5	10
Oregon.....	-	-	-	1	1	-	-	-	-	29	13
California.....	35	25	-	2	3	3	-	-	10	114	125
Alaska.....	-	-	-	-	-	-	-	-	-	1	4
Hawaii.....	1	1	-	-	-	-	-	-	-	2	8
Puerto Rico.....	-	-	-	-	-	-	-	-	-	16	5

Morbidity and Mortality Weekly Report

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CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

OCTOBER 8, 1966 AND OCTOBER 9, 1965 (40th WEEK) - CONTINUED

AREA	MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS, TOTAL			POLIOMYELITIS				RUBELLA
	1966	Cumulative		1966	Cumulative		Total		Paralytic		
		1966	1965		1966	1965	1966	1965	1966	Cumulative 1966	
UNITED STATES...	472	190,809	242,326	34	2,818	2,425	2	2	1	67	233
NEW ENGLAND.....	11	2,290	36,876	1	124	123	-	-	-	-	17
Maine.....	4	215	2,816	1	10	16	-	-	-	-	2
New Hampshire.....	-	80	381	-	9	7	-	-	-	-	1
Vermont.....	1	239	1,283	-	4	7	-	-	-	-	-
Massachusetts.....	4	787	19,303	-	50	43	-	-	-	-	1
Rhode Island.....	-	72	3,938	-	14	14	-	-	-	-	1
Connecticut.....	2	897	9,155	-	37	36	-	-	-	-	12
MIDDLE ATLANTIC.....	28	18,064	14,945	3	343	314	-	-	-	-	13
New York City.....	2	8,295	2,439	-	48	54	-	-	-	-	7
New York, Up-State.	2	2,538	4,157	1	96	91	-	-	-	-	3
New Jersey.....	7	1,855	2,622	1	102	81	-	-	-	-	-
Pennsylvania.....	17	5,376	5,727	1	97	88	-	-	-	-	3
EAST NORTH CENTRAL...	101	68,944	56,104	4	443	350	1	-	-	3	90
Ohio.....	5	6,360	8,902	1	119	93	1	-	-	-	15
Indiana.....	14	5,716	1,888	1	81	44	-	-	-	1	11
Illinois.....	11	11,376	2,777	1	81	98	-	-	-	2	21
Michigan.....	40	14,557	26,579	1	119	76	-	-	-	-	24
Wisconsin.....	31	30,935	15,958	-	43	39	-	-	-	-	19
WEST NORTH CENTRAL...	26	8,724	16,646	2	150	123	-	-	-	1	5
Minnesota.....	-	1,643	690	-	34	27	-	-	-	1	-
Iowa.....	7	5,316	9,050	-	22	9	-	-	-	-	4
Missouri.....	1	532	2,594	-	57	52	-	-	-	-	1
North Dakota.....	18	1,116	3,745	-	11	11	-	-	-	-	-
South Dakota.....	-	40	115	-	5	3	-	-	-	-	-
Nebraska.....	-	77	452	-	8	10	-	-	-	-	-
Kansas.....	NN	NN	NN	2	13	11	-	-	-	-	-
SOUTH ATLANTIC.....	51	15,358	25,237	13	480	460	-	-	-	1	27
Delaware.....	-	257	505	-	4	8	-	-	-	-	3
Maryland.....	4	2,110	1,166	2	48	44	-	-	-	-	1
Dist. of Columbia..	-	383	78	1	12	9	-	-	-	-	1
Virginia.....	4	2,180	4,103	1	55	55	-	-	-	-	-
West Virginia.....	17	5,328	13,897	3	34	24	-	-	-	-	1
North Carolina.....	2	495	391	4	125	94	-	-	-	-	-
South Carolina.....	1	658	1,052	1	49	60	-	-	-	-	-
Georgia.....	-	234	617	-	63	57	-	-	-	1	-
Florida.....	23	3,713	3,428	1	90	109	-	-	-	-	21
EAST SOUTH CENTRAL...	13	19,784	13,978	1	247	190	-	-	-	3	7
Kentucky.....	1	4,732	2,586	-	87	75	-	-	-	-	2
Tennessee.....	6	12,333	7,937	1	84	60	-	-	-	-	5
Alabama.....	5	1,694	2,335	-	54	33	-	-	-	1	-
Mississippi.....	1	1,025	1,120	-	22	22	-	-	-	2	-
WEST SOUTH CENTRAL...	92	24,742	31,026	3	381	315	1	-	1	56	1
Arkansas.....	-	971	1,084	-	35	15	-	-	-	-	1
Louisiana.....	-	99	108	1	140	174	-	-	-	1	-
Oklahoma.....	5	492	206	-	19	20	-	-	-	1	-
Texas.....	87	23,180	29,628	2	187	106	1	-	1	54	-
MOUNTAIN.....	20	12,024	19,852	1	88	86	-	-	-	-	11
Montana.....	12	1,832	3,739	-	4	2	-	-	-	-	-
Idaho.....	2	1,587	2,798	-	5	9	-	-	-	-	-
Wyoming.....	-	166	849	-	6	5	-	-	-	-	-
Colorado.....	3	1,318	5,690	1	48	24	-	-	-	-	9
New Mexico.....	-	1,133	677	-	10	11	-	-	-	-	-
Arizona.....	2	5,302	1,339	-	10	16	-	-	-	-	2
Utah.....	-	641	4,556	-	-	16	-	-	-	-	-
Nevada.....	1	45	204	-	5	3	-	-	-	-	-
PACIFIC.....	130	20,879	27,662	6	562	464	-	2	-	3	62
Washington.....	78	3,711	7,266	1	40	34	-	-	-	2	23
Oregon.....	14	1,843	3,277	-	34	33	-	-	-	-	18
California.....	25	14,648	13,055	5	469	371	-	2	-	1	14
Alaska.....	11	535	186	-	15	18	-	-	-	-	2
Hawaii.....	2	142	3,878	-	4	8	-	-	-	-	5
Puerto Rico.....	62	2,854	2,463	-	11	10	-	-	-	1	1

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

OCTOBER 8, 1966 AND OCTOBER 9, 1965 (40th WEEK) - CONTINUED

AREA	STREPTOCOCCAL SORE THROAT & SCARLET FEVER	TETANUS		TULAREMIA		TYPHOID		TYPHUS FEVER TICK-BORNE (Rky. Mt. Spotted)		RABIES IN ANIMALS	
		1966	Cum. 1966	1966	Cum. 1966	1966	Cum. 1966	1966	Cum. 1966	1966	Cum. 1966
UNITED STATES...	6,054	9	146	5	134	13	297	7	219	50	3,230
NEW ENGLAND.....	662	1	4	-	1	3	10	-	3	1	75
Maine.....	27	-	-	-	-	-	-	-	-	-	25
New Hampshire.....	5	-	-	-	-	-	-	-	-	-	25
Vermont.....	29	-	-	-	-	-	-	-	-	1	22
Massachusetts.....	86	-	2	-	1	3	6	-	1	-	3
Rhode Island.....	67	-	-	-	-	-	-	-	-	-	-
Connecticut.....	448	1	2	-	-	-	4	-	2	-	-
MIDDLE ATLANTIC.....	78	-	13	-	-	2	51	1	41	3	198
New York City.....	3	-	5	-	-	1	22	-	-	-	1
New York, Up-State.....	63	-	2	-	-	-	11	-	13	3	185
New Jersey.....	NN	-	2	-	-	-	7	-	12	-	-
Pennsylvania.....	12	-	4	-	-	1	11	1	16	-	12
EAST NORTH CENTRAL...	465	1	17	3	18	1	38	-	17	5	420
Ohio.....	40	-	4	-	3	-	18	-	9	2	192
Indiana.....	101	1	4	3	8	1	4	-	-	1	91
Illinois.....	136	-	3	-	6	-	4	-	8	1	57
Michigan.....	112	-	4	-	-	-	6	-	-	-	34
Wisconsin.....	76	-	2	-	1	-	6	-	-	1	46
WEST NORTH CENTRAL...	326	1	10	-	16	1	27	-	4	14	722
Minnesota.....	8	-	2	-	-	-	-	-	-	5	164
Iowa.....	120	-	1	-	-	-	5	-	-	1	143
Missouri.....	2	-	6	-	10	-	13	-	3	3	221
North Dakota.....	169	-	-	-	-	-	1	-	-	3	36
South Dakota.....	13	-	-	-	2	-	-	-	-	1	79
Nebraska.....	2	-	-	-	2	-	2	-	-	-	21
Kansas.....	12	1	1	-	2	1	6	-	1	1	58
SOUTH ATLANTIC.....	798	1	31	-	10	3	56	5	105	6	418
Delaware.....	14	-	-	-	-	-	1	-	2	-	-
Maryland.....	141	-	3	-	1	-	9	1	26	-	3
Dist. of Columbia..	-	-	-	-	-	-	2	-	-	-	-
Virginia.....	171	1	5	-	2	2	13	-	31	3	216
West Virginia.....	192	-	-	-	1	-	1	-	-	2	49
North Carolina.....	14	-	4	-	3	-	6	4	26	-	4
South Carolina.....	8	-	2	-	1	-	11	-	5	-	-
Georgia.....	7	-	7	-	2	1	4	-	15	1	91
Florida.....	251	-	10	-	-	-	9	-	-	-	55
EAST SOUTH CENTRAL...	861	2	18	1	20	1	36	-	37	3	414
Kentucky.....	70	-	2	-	2	1	6	-	9	-	87
Tennessee.....	573	1	3	1	11	-	19	-	22	1	287
Alabama.....	159	-	7	-	4	-	6	-	6	2	20
Mississippi.....	59	1	6	-	3	-	5	-	-	-	20
WEST SOUTH CENTRAL...	542	3	34	1	60	1	29	1	8	9	661
Arkansas.....	-	-	4	1	46	-	2	-	2	-	73
Louisiana.....	2	1	8	-	3	-	8	-	-	1	42
Oklahoma.....	47	-	2	-	7	-	9	1	5	4	168
Texas.....	493	2	20	-	4	1	10	-	1	4	378
MOUNTAIN.....	1,312	-	2	-	6	-	13	-	3	-	83
Montana.....	24	-	-	-	2	-	-	-	-	-	7
Idaho.....	23	-	-	-	-	-	-	-	-	-	-
Wyoming.....	37	-	-	-	-	-	-	-	-	-	-
Colorado.....	804	-	2	-	-	-	3	-	2	-	17
New Mexico.....	262	-	-	-	1	-	2	-	1	-	13
Arizona.....	83	-	-	-	1	-	4	-	-	-	36
Utah.....	79	-	-	-	2	-	3	-	-	-	3
Nevada.....	-	-	-	-	-	-	1	-	-	-	7
PACIFIC.....	1,010	-	17	-	3	1	37	-	1	9	239
Washington.....	263	-	-	-	-	-	11	-	-	-	13
Oregon.....	35	-	1	-	-	-	1	-	-	-	4
California.....	630	-	16	-	3	1	23	-	1	9	222
Alaska.....	50	-	-	-	-	-	-	-	-	-	-
Hawaii.....	32	-	-	-	-	-	2	-	-	-	-
Puerto Rico.....	7	1	44	-	-	-	11	-	-	1	16

Week No.

DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED OCTOBER 8, 1966

40

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	All Causes		Pneumonia and Influenza All Ages	Under 1 year All Causes	Area	All Causes		Pneumonia and Influenza All Ages	Under 1 year All Causes
	All Ages	65 years and over				All Ages	65 years and over		
NEW ENGLAND:	784	482	51	38	SOUTH ATLANTIC:	1,123	570	39	74
Boston, Mass.-----	264	134	11	16	Atlanta, Ga.-----	106	47	8	12
Bridgeport, Conn.-----	40	29	3	1	Baltimore, Md.-----	300	149	5	15
Cambridge, Mass.-----	36	28	11	-	Charlotte, N. C.-----	43	20	2	5
Fall River, Mass.-----	35	24	2	2	Jacksonville, Fla.-----	56	28	1	7
Hartford, Conn.-----	70	40	3	4	Miami, Fla.-----	96	45	-	6
Lowell, Mass.-----	26	15	2	2	Norfolk, Va.-----	46	26	1	-
Lynn, Mass.-----	22	14	-	1	Richmond, Va.-----	70	43	-	4
New Bedford, Mass.-----	19	15	1	-	Savannah, Ga.-----	33	11	2	2
New Haven, Conn.-----	47	28	-	1	St. Petersburg, Fla.-----	68	54	8	2
Providence, R. I.-----	72	48	7	4	Tampa, Fla.-----	68	36	5	3
Somerville, Mass.-----	12	9	-	-	Washington, D. C.-----	194	85	5	13
Springfield, Mass.-----	49	32	5	6	Wilmington, Del.-----	43	26	2	5
Waterbury, Conn.-----	31	25	2	1					
Worcester, Mass.-----	61	41	4	-	EAST SOUTH CENTRAL:	532	282	27	29
MIDDLE ATLANTIC:	3,238	1,922	135	136	Birmingham, Ala.-----	83	49	2	3
Albany, N. Y.-----	56	36	-	-	Chattanooga, Tenn.-----	51	27	5	3
Allentown, Pa.-----	28	15	-	1	Knoxville, Tenn.-----	34	23	-	1
Buffalo, N. Y.-----	136	80	10	11	Louisville, Ky.-----	95	48	13	13
Camden, N. J.-----	46	25	-	4	Memphis, Tenn.-----	119	61	2	6
Elizabeth, N. J.-----	28	16	1	1	Mobile, Ala.-----	36	17	2	1
Erie, Pa.-----	36	21	2	3	Montgomery, Ala.-----	33	17	2	1
Jersey City, N. J.-----	53	32	3	2	Nashville, Tenn.-----	81	40	1	1
Newark, N. J.-----	85	36	5	14	WEST SOUTH CENTRAL:	990	507	36	75
New York City, N. Y.-----	1,685	989	74	63	Austin, Tex.-----	35	21	3	3
Paterson, N. J.-----	44	26	2	-	Baton Rouge, La.-----	16	9	-	-
Philadelphia, Pa.-----	493	303	18	15	Corpus Christi, Tex.-----	37	19	-	1
Pittsburgh, Pa.-----	186	108	2	9	Dallas, Tex.-----	122	67	5	12
Reading, Pa.-----	51	36	1	1	El Paso, Tex.-----	28	16	3	2
Rochester, N. Y.-----	100	63	7	4	Fort Worth, Tex.-----	66	37	-	3
Schenectady, N. Y.-----	28	18	2	-	Houston, Tex.-----	191	88	4	13
Scranton, Pa.-----	37	27	3	-	Little Rock, Ark.-----	43	27	2	3
Syracuse, N. Y.-----	60	33	-	6	New Orleans, La.-----	174	73	7	16
Trenton, N. J.-----	26	18	2	-	Oklahoma City, Okla.-----	83	48	3	5
Utica, N. Y.-----	32	24	3	-	San Antonio, Tex.-----	109	56	3	8
Yonkers, N. Y.-----	28	16	-	2	Shreveport, La.-----	46	28	3	2
EAST NORTH CENTRAL:	2,711	1,512	92	195	Tulsa, Okla.-----	40	18	3	7
Akron, Ohio-----	74	41	-	4	MOUNTAIN:	370	208	18	18
Canton, Ohio-----	46	30	5	1	Albuquerque, N. Mex.-----	34	20	4	1
Chicago, Ill.-----	774	398	33	60	Colorado Springs, Colo.-----	21	14	3	2
Cincinnati, Ohio-----	155	96	4	8	Denver, Colo.-----	101	52	3	3
Cleveland, Ohio-----	215	109	-	20	Ogden, Utah-----	17	11	1	1
Columbus, Ohio-----	127	64	6	7	Phoenix, Ariz.-----	69	38	2	5
Dayton, Ohio-----	96	52	4	11	Pueblo, Colo.-----	23	16	2	-
Detroit, Mich.-----	375	206	11	16	Salt Lake City, Utah-----	64	34	2	6
Evansville, Ind.-----	52	29	2	5	Tucson, Ariz.-----	41	23	1	-
Flint, Mich.-----	51	27	2	6	PACIFIC:	1,391	845	30	57
Fort Wayne, Ind.-----	49	28	4	2	Berkeley, Calif.-----	22	14	1	1
Gary, Ind.-----	35	17	3	4	Fresno, Calif.-----	37	19	-	1
Grand Rapids, Mich.-----	52	42	5	2	Glendale, Calif.-----	25	17	-	-
Indianapolis, Ind.-----	153	99	4	11	Honolulu, Hawaii-----	34	13	2	5
Madison, Wis.-----	40	20	-	2	Long Beach, Calif.-----	67	49	4	3
Milwaukee, Wis.-----	153	87	3	18	Los Angeles, Calif.-----	399	246	6	20
Peoria, Ill.-----	37	23	-	5	Oakland, Calif.-----	74	40	2	7
Rockford, Ill.-----	41	28	2	1	Pasadena, Calif.-----	32	23	-	1
South Bend, Ind.-----	23	11	2	2	Portland, Oreg.-----	98	63	2	4
Toledo, Ohio-----	110	68	1	8	Sacramento, Calif.-----	72	46	-	1
Youngstown, Ohio-----	53	37	1	2	San Diego, Calif.-----	93	52	2	4
WEST NORTH CENTRAL:	821	527	19	51	San Francisco, Calif.-----	165	93	2	3
Des Moines, Iowa-----	68	50	1	5	San Jose, Calif.-----	47	32	3	2
Duluth, Minn.-----	32	23	-	1	Seattle, Wash.-----	148	87	5	5
Kansas City, Kans.-----	24	16	-	2	Spokane, Wash.-----	32	18	1	-
Kansas City, Mo.-----	111	69	-	2	Tacoma, Wash.-----	46	33	-	-
Lincoln, Nebr.-----	29	23	1	-	Total	11,960	6,855	447	673
Minneapolis, Minn.-----	119	77	1	8	Cumulative Totals				
Omaha, Nebr.-----	72	49	2	4	including reported corrections for previous weeks				
St. Louis, Mo.-----	232	136	8	11	All Causes, All Ages -----	502,613			
St. Paul, Minn.-----	86	59	1	9	All Causes, Age 65 and over-----	288,021			
Wichita, Kans.-----	48	25	5	9	Pneumonia and Influenza, All Ages-----	21,026			
					All Causes, Under 1 Year of Age-----	26,756			

*Estimate - based on average percent of divisional total.

WESTWARD SPREAD OF CHOLERA

(Continued from page 343)

In Iraq health authorities have given one cholera vaccination to almost the entire population and have set up special hospitals to deal exclusively with cholera cases. In Baghdad all persons with severe diarrhea are immediately hospitalized as cholera suspects, even though many of them have the common summer diarrhea.

There have been no reported cases of cholera in Turkey, Syria, Jordan or Saudi Arabia. During recent months cholera has been reported from the following countries: Burma, India, Indonesia, Nepal, Pakistan, the Philippines, Thailand, and Vietnam.

(Reported by the Enteric Diseases Unit, Bacterial Diseases Section, Epidemiology Branch, CDC; and from information compiled from WHO Bulletins, Nos. 34-40, 1966.)

QUARANTINE MEASURES

Travel Restrictions — Middle East

Countries in the eastern Mediterranean are imposing rigid requirements for entry even for travelers who have been vaccinated against cholera. For this reason it is suggested that travelers planning to visit these countries should conduct their business whenever possible in non-cholera areas before entering cholera infected countries. A summary of the restrictions follows:

Jordan will quarantine all arrivals from Iraq for the incubation period of the disease.

Iran, Saudi Arabia, and Turkey will not permit travelers from Iraq to enter the country. There are certain exceptions for returning citizens and residents but quarantine restrictions are applicable to them.

Lebanon denies entry to travelers who have been in Iraq, India, Burma, Thailand, South Vietnam and the Philippines the previous 10 days.

Syria will quarantine travelers with or without a valid cholera vaccination certificate for a maximum period of 48 hours.

Erratum, Vol. 15, No. 38, p. 326:

In the fourth paragraph of the article entitled "Diphtheria — South Carolina," a portion of the text was omitted. Beginning with the third sentence, the paragraph should read:

Each household contact was treated with 1,000 units of diphtheria antitoxin, a dose of diphtheria toxoid, and a 4-day course of oral penicillin. Each carrier was given 10,000 units of antitoxin and 2.4 million units of procaine penicillin each day until three consecutive throat cultures were negative. The clinically ill patients were treated with 20,000-80,000 units of antitoxin and 2.4 million units procaine penicillin per day.

THE MORBIDITY AND MORTALITY WEEKLY REPORT, WITH A CIRCULATION OF 15,600, IS PUBLISHED AT THE COMMUNICABLE DISEASE CENTER, ATLANTA, GEORGIA

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ACTING CHIEF, STATISTICS SECTION

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THE EDITOR
MORBIDITY AND MORTALITY WEEKLY REPORT
COMMUNICABLE DISEASE CENTER
ATLANTA, GEORGIA 30333

NOTE: THE DATA IN THIS REPORT ARE PROVISIONAL AND ARE BASED ON WEEKLY TELEGRAMS TO THE CDC BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS. THE REPORTING WEEK CONCLUDES ON SATURDAY; COMPILED DATA ON A NATIONAL BASIS ARE RELEASED ON THE SUCCEEDING FRIDAY.

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